ProCon_GSW-2693

one world_one brand_one level_

24 10/100Mbps+ 2G/SFP L2 SNMP POE Stacking Switch

The GSW-2693 is a L2 Management switch that gives power to PoE enabled network devices through its 24 Ethernet ports with PoE capability. 2 ports are dual media ports that can accommodate optional SFP or Gigabit modules.

Flexibility

The GSW-2693 supplies power (185W) to network devices such as wireless access points, VoIP phones and network cameras through its 24 PoE enabled 10/100Mbps Auto-negotiation, Auto-MDIX Ethernet ports. The 2 dual media ports accommodate an optional SFP module to extend switch capability to connect to Gigabit and fiber optic technology.

Powerful Features

This switch incorporates QoS, Port Mirroring and VLAN features making it one of the most useful switches in its class providing adequate support for networks on a cost-effective scale.

The Qos (Quality of Service) provides four internal queues to support four different classifications of traffic. High priority packet streams have now priority over less sensitive traffic at full wire speed.

Port Mirroring helps track network errors or abnormal packet transmission without interrupting the flow of data. It allows traffic to be monitored by a single port that is defined as a mirror captures port.

The VLAN feature offers the benefits of both security and performance. VLAN is used to isolate traffic between different users providing better security. Limiting the broadcast traffic to within the same VLAN broadcast domain also enhances performance.

User authentication for each network access attempt allows for better access control. Port security features allow network managers to limit the number of MAC addresses per port in order to control the number of each station for each port. Static MAC addresses allow only registered machines to connect to the switch. Both these features establish an access mechanism based on user and machine identities as well as give control over the number of access stations.

The comprehensive LED indicators assist network managers in monitoring the switch as well as the traffic flowing through it at one glance at the LED panel located on the front of the switch.

GSW-2693

Related Products

GSW-2690
24Fast +2G/SFP L2 SNMP Stacking Switch

GSW-1291
12G L2 SNMP POE Stacking Switch

Key Features

- 24-Port 10/100 Mbps copper ports and 2 Gigabit/2 SFP embedded
- Gigabit (copper/SFP) ports are compliant with IEEE802.3z and 802.3ab
- Supports virtual stack of up to 8 units of GSW-2693
- Centralized power distribution for POE powered Device (PD)
- MAC-based trunking with automatic link fail-over
- Supports 802.3x flow control/backpressure
- Non-Blocking full wire speed architecture
- Web-based management provides easily configuration via any web browser
- Supports Port-based VLAN and IEEE802.1Q VLAN
- Supports 802.3ad port trunking with LACP
- Supports 802.1p Class of Service with 4-level priority queuing
- “At-a-glance” LEDs for port and system status monitoring
- 19”, 1U rack-mountable size

ProCon_GSW-2693

one world_one brand_one level_

Technical Specification

- **Standards Compliance**
  IEEE 802.3/ IEEE 802.3u
  IEEE 802.3ab Gigabit 1000T
  IEEE 802.3z Gigabit Fiber
  IEEE 802.3x Flow Control and Back Pressure
  IEEE 802.3af Power Over Ethernet
- **Network Interface**
  24 x RJ-45 10/100Base-T ports
  2 ComboG (RJ-45/SFP) ports
  2 Gigabit (RJ-45) ports
- **Switch Fabric**
  8.8 Gbps
- **MAC Address Table**
  8K entries with Auto learning function
- **Memory**
  Packet Buffer: 256K bytes,
- **Transfer Rate**
  14,880 Packets per second for 10Mbps
  148,800 Packets per second for 100Mbps
  1,488,000 Packets per second for 1000Mbps
- **POE Spec**
  Supports up to 15.4 W for each PoE port
  PD classification identify
  PoE over current protection
  PoE circuit sorting protection
  PoE power on RJ-45 pin 3,6 for power + and pin 1,2 for power
- **Dimension**
  442mm(W) * 366mm(D) * 44mm(H)
- **Power Supply**
  Internal power supply: 110~240VAC, 50/60Hz
- **Power Consumption**
  210 Watts (max)
- **Total Power for PoE**
  185 Watts)
- **Temperature**
  Operating: 0° C ~50° C
  Storage: -40° C ~70° C
- **Humidity**
  Operating: 10% ~ 90% (Non-condensing)
- **EMI and Safety**
  FCC Class A, CE

Software Feature

- **L2 Feature**
  Port mirroring
  LACP
  - 2Fast Ethernet + 1 Gigabit Ethernet group
  - Per-group max 4 members
  - Provides DA, SA and DA+SA Mac-based trunking with automatic link fail-over
  - Load balance for both Unicast and Multicast traffics

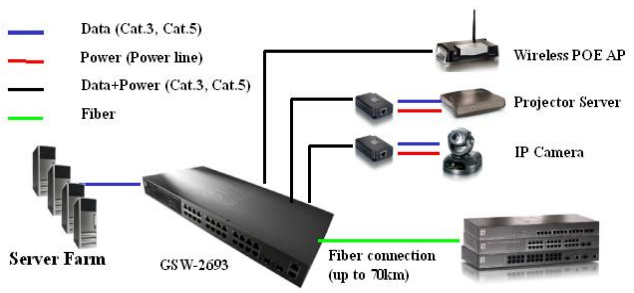
  VLAN
  - Supports SVL/IVL configuration
  - IEEE 802.1Q tagging VLAN
  - Port-based VLAN
  - Up to 256 active VLANs
  - Q-in-Q to enable Subscriber Aggregation

  IGMP (v1/v2) Snooping and Query function
  Broadcast Storm control
  - Multicast/Broadcast/Unknown-Unicast Storm suppression

  Spanning Tree protocol
  - IEEE 802.1D Spanning Tree protocol
  - IEEE 802.1w Spanning Tree protocol
  - IEEE 802.1s Per VLAN Spanning Tree

  GVRP/GARP
  - 802.1q with GVRP/GARP
- **QoS**
  - Port Based (VIP Port), 802.1p, TOS and Diffserv (IPv4/IPv6) based QoS packet classification
  - Supports 4-level priority queues to prioritize in-bound and out-bound traffic
  - Supports two scheduling, WRR and Strict
  - Supports priority in a Q-in-Q tag
- **Security Feature**
  - Isolated group
  - Restricted group
  - Management Access Control List
  - Static mac
  - Supports IEEE 802.1x port based security
- **Virtual Stacking Management**
  Virtual Stacking up to 8 units
  Low cost and easily to establish environment
- **Management**
  SNMP v1/v2c
  RMON group 1,2,3,9 (statistics, history alarm, events), MIDII (RFC1213), Bridge MIB (RFC 1493), Interface MIB (RFC2863), Ether-Like MIB (RFC2674), Extended Bridge MIB (RFC2674), Ethernet MIB (RFC1643), Enterprise MIB and private MIB
  Web management

Product Diagram



Ordering Information

- GSW-2693: 24 10/100Mbps+ 2G/SFP L2 SNMP POE Stacking Switch
- GVT-0300: SFP Transceiver fits mini GBIC (550m)
- GVT-0301: SFP Transceiver fits mini GBIC (10km)
- GVT-0302: SFP Transceiver fits mini GBIC (70km)

For more information, please contact your LevelOne representative, or visit our website
All technical specifications are subject to change without notice.
All mentioned brand names are registered trademarks and property of their owners

www.level1.com